

01 45 67 53 70

67. Avenue de Suffren
75007 Paris

MR & MME ETIENNE DREYFOUS

We hope this book will reach you
safely and that you will find
some of the information you are seeking.

M. ET MME E. DREYFOUS
67, AVENUE SUFFREN
75007 PARIS

Jean-Marie DARNIS

Docteur en Histoire,

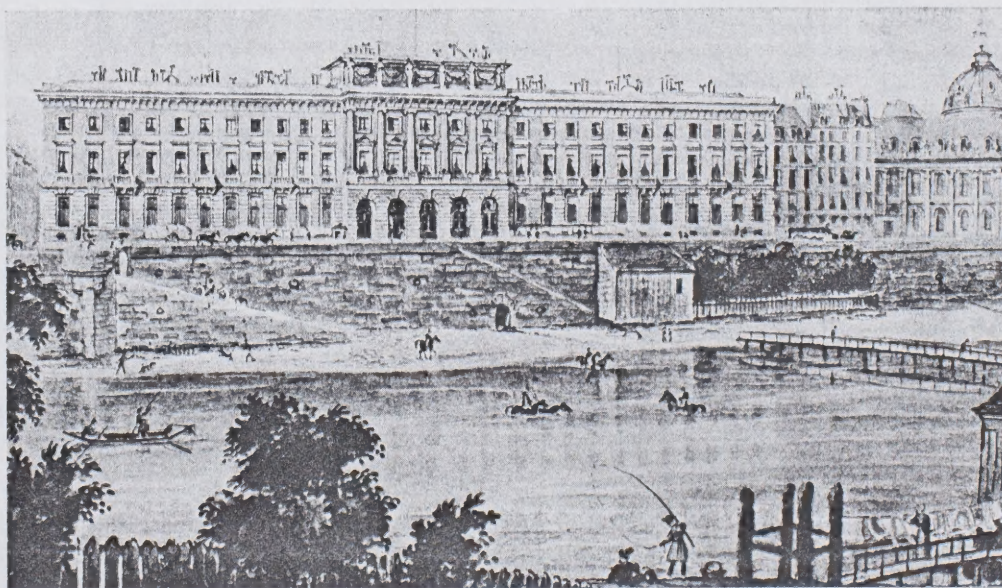
Diplômé de l'École Pratique des Hautes Études.

La Monnaie de PARIS.

Sa création et son histoire
du Consulat et de l'Empire
à la Restauration

(1795-1826).

*Jean-Marie
(Darnis)*



CENTRE D'ÉTUDES NAPOLÉONIENNES

SOCIÉTÉ DE SAUVEGARDE DU CHÂTEAU IMPÉRIAL DE PONT-DE-BRIQUES
12, rue Pasteur, 92300-LEVALLOIS.

1988

ERIC P. NEWMAN NUMISMATIC EDUCATION SOCIETY

6450 Cecil Avenue, St. Louis, Missouri 63105

Mr. & Mrs. Etienne Dreyfous
67 Avenue de Suffren
75007 Paris, France

October 19, 2001

Dear Etienne & Jill:

It was a delight for Evelyn and I to meet both of you and to share the enjoyment of the rare book libraries and the Barnes art collection. All of us had the opportunity to share personal ideas and experiences. That gave those at the Mercantile Library (Bixby Club) event an extra amount of satisfaction and pleasure. We are looking forward to another outing anywhere.

You were kind enough to volunteer to help me locate a pamphlet which I have been unsuccessful in finding. As I told you I do coin and paper money research and writing and found a reference in an early 19th century American Encyclopedia to a French invention which is described as:

“Rapport fait a la classe, des sciences Mathématiques et Physiques de L' Institut National; sur diverses Inventions de Jean Pierre Droz, relatives a L' Art du Monnoyage.”

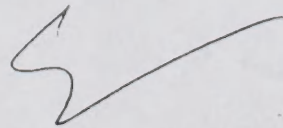
It states that this report describes a coining press with its automatic feeding apparatus minutely detailed. It was subsequently improved and used by Mathew Boulton of England about 1788. I enclose a copy of the printed text of our source. The Bibliotheque Nationale should have it somewhere and you indicated you would use your contacts to try to find it.

Droz is well known as a superb 18th century mechanic who designed coining machinery. Everyone wanted to hire him, even the Americans.

As early as 1731 M. DuBusson presented such a project to the Royal Academy of Paris. Droz wrote his pamphlet long after this period but no date is available to me.

If you need any further information I shall be glad to try to furnish it.

With Evelyn and my kindest regards for a thriving life to both of you,



Eric P. Newman

Tel: 314-727-0850
Fax: 314-727-0820
Email: ERICNUMIS@aol.com

Dreyfous home in Saint Sauveur
011 33546 01 80 80

6th November 2001

67, AVENUE DE SEINE
75007 PARIS
TEL/FAX 01 45 67 53 70

Mr & Mes Eric P. Newman
6450 Cecil Avenue
St Louis
Missouri 63105
Etats Unis
(Fax 314-727-0820)

Dear Eric and Evelyn,

Your letter dated 19th October only reached me this morning, perhaps due to the more complicated circuits followed by mail at present, it might be more expeditious if you contacted me in future on my Fax : (33) 1 45 67 53 70.

I started immediately to try and trace the pamphlet you mention by contacting the curator of the Hotel de la Monnaie in Paris.

This is what I was told:

- Jean Pierre Droz was born in 1746 and wrote this pamphlet in 1801 as part of a request to be given a responsible position in La Monnaie but failed in his attempt.

The Pamphlet was however used later by Vivard de Lens who managed to get him appointed in charge of the new manufacturing establishment des Monnaies et Medailles.

The original document is held in the archives of the Musée de la Monnaie in Paris and they would be very pleased to get it out for you to see if you graced them with your visit (by prior appointment of course). We would naturally love to entertain you and Evelyn in Paris, so it does not seem a bad idea!.

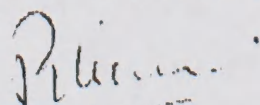
In the mean time I am trying to get hold of a book published in 1988 (500 copies only edited) and written by the chief archivist of la Monnaie Monsieur Darnis (Histoire des Monnaies de Paris de 1795 à 1826) in which he tells me he referred to the pamphlet and the invention in which you are interested.

Mr Darnis tells me he would love to meet you and carry out all sorts of discussions with you.

That is as far as I have been able to get on my first day of hunting, I'll carry on and keep you posted

I hope you are both in good shape and that you are not letting present events as abominable as they may be, affect your life

With kindest regards and best wishes from us both,



Etienne Dreyfous

November 7, 2001

TO: Etienne Dreyfous

01 (33) 67 45 67 53 70
01
FAX: (33) 1 45 76 53 70

FROM: Eric P. Newman

FAX: (1-314) 727-0820

I was delighted to hear from you so promptly on my request for the Droz pamphlet. I also thank Jill for contacting Ruth Bryant indicating that I would be hearing from you.

Naturally I would like to buy a copy of the book written by Mr. Darnis if you are able to find one. The period from 1795 to 1826 is exactly what I am working on with respect to the U.S. Mint, as the mechanical details are not recorded here. To talk to Mr. Darnis would be great.

It is very kind of you to have the Musee de la Monnaie in Paris locate the Droz manuscript. Has a copy of it ever been made on microfilm or in any other way? About how many pages is it? Can a photocopy be made now?

Evelyn and I would love to come to Paris on our next European visit and see you and Jill. Ruth and Evelyn are working on such a trip to include the flower display in the main square in Brussels which occurs once every two years.

Thank you for being so considerate about the September 11 events here. We will carry on normally but need help to solve the Anthrax, etc., problem. We hope our government knows much more than is being disclosed.

What a pleasure it was to be with you both.

Thrive.

8th November 2001

Mr Eric Newman
6450 Cecil Avenue
St Louis
Missouri 63105
Etats Unis
(Fax 314 727 0820)

67, AVENUE DE SUZUKI
75007 PARIS
TEL/FAX 01 45 67 53 70

Dear Eric,

Further to my Fax of 6th November I now have been able to get hold of the book mentionned by Mr Darnis.

There are indeed quite a lot of references to the invention made by Jean Pierre Droz and I gather from a very quick perusal of the book there is an inference that his inventions were pinched by a Mr Gengembre...

I am going to forward this book to you by Federal Express ; could you let me know by Fax ((33) 1 45 67 53 70) to which address I should forward it ?

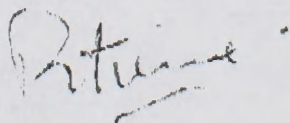
The book however does not seem to give direct quotations of the document you are interested in, so I have gone back to Mr Darnis to see, in case you are not able to travel to Paris at the present time, whether there is any way in which "your document" can be reproduced.

He is prepared to get it out of the archives and let me photograph it.

The document covers approximately 30 pages and there are also apparently two large drawings of the machine. I can probably get hold of someone to do this if you would like me to do this.

Please let me know.

Kindest regards and best wishes,



Etienne Dreyfous

Fax 011 331 45675370

Etienne Dreyfous:

11/11/01

Your fax messages of 6 Nov and 8 Nov. 2001 have been received. I tried to respond but the Fax number given to me did not accept my message.

Ruth Bryant gave me a new Fax number for you as above which differs from the number on your letterhead and messages.

I am amazed and delighted with your findings. I want to reimburse for any expense you incur for the book or the photocopy.

My address is

6450 CECIL AVE
ST. LOUIS, MISSOURI 63105
U. S. A. or Etats Unis

My wife is thrilled with the idea of going to Paris anytime it can be arranged.

Shall I send Mr. Darnis one of my books which covers French paper money in Colonial Louisiana?

Please excuse my handwritten communication as I wanted you to receive this as soon as possible.

Thank you for your marvelous help. Our best to both of you.

Eric

EVELYN & ERIC P. NEWMAN

12th November 2001

67, AVENUE DE SUJAN
75007 PARIS
TEL / FAX 01 45 67 53 70

Mr Eric P. Newman
6450 Cecil Avenue
St Louis
Missouri 63105
Etats Unis
(Fax 314 727 0820)

Dear Eric,

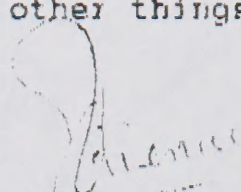
- Your Fax arrived safely during the night.
I am sorry if I gave you some trouble by only quoting the Paris
FAX number without the bits and pieces you have to add first in
the US; Ruth gave you properly the whole thing, i.e:
011 33 1 45 67 53 70.

- I took the book round this morning to
Federal Express and it should normally be delivered to you to
morrow Tuesday. In case of trouble the reference number of the
package is 8290 2174 0403.

- Re the reproduction of the pamphlet, I have
been given the name of a photographer capable of doing the job,
but have to find out whether he has the time to do so; if not he
will presumably suggest someone else. Shops are closed on Mondays
in Paris so this will have to wait until tomorrow.
La Monnaie won't allow a simple photocopy in order not to damage
the document. The National Archives have a special studio room to
do this but apparently not the Monnaie who understandably won't
allow the document out of the building, so I have to get hold of
a professional photographer; it should not prove too difficult.
Whilst on the subject I was wondering whether when the time comes
it would be a good idea to order two copies of the photographs,
so that you can present one to Mr Darnis as he might like to use
it for an exhibition or something; it should not be very much
more costly.

- Yes I am sure Mr Darnis would be very
touched if you did let him have a copy of your book on paper
money in colonial Louisiana; of course his speciality is coins
but he is quite a learned person and must be interested in the
parallel paper money. If you can send it to me, I'll take it round
to him.
I think you might like to keep up with him since he would be able
to show you quite a few examples of old machinery kept at La
Monnaie and not normally shown to the public, and possibly many
other things as you will see from his book.

-With my best wishes to Evelyn and yourself


Etienne Dreyfous

Etienne Dreyfous

12 NOV. 2001

Dear Etienne:

Your 12 Nov 2001 FAX was received and I thank you for your promptness in planning the reproduction of the pamphlet and in sending the Darnis book. Perhaps you should have brought the book to St. Louis so that you could visit all of us!

With respect to the photography of the pamphlet only one picture of each page is necessary. Because photocopies can be made of positive photographic or digital prints. If negatives are made then I can return the negatives to Mr. Darnis after making sufficient prints. If the drawings which are part of the pamphlet are large then they can be reproduced in sections and the sections can be assembled for a consolidated print. If Mr. Darnis wishes to keep the original of any reproductions we will be satisfied with the copies we make and return the original reproductions to him.

I wished to send you this response as promptly as possible so I wrote it in script.

Thank you again for your continuing and gargantuan efforts to solve my problems.

Eric.

ERIC P. NEWMAN
6450 CECIL AVE
ST. LOUIS, MO 63105
U.S.A

FAX: 314 727 0820

(cc La Rabeleis)

Nov 15, 2001

011 33 1 45 67 53 70

Dear Etienne: Evelyn and I have been involved in trying to straighten out problems in a charitable organization here and thus were delayed in answering you. The Darnis book arrived in perfect condition the next day after you sent it. Thank you for your kindness in obtaining such an interesting work. I examined the index and read the references to Droz and Boulton, then turned it over to a close friend here who is a numismatic researcher and a chemistry professor. He was born in Brussels so I have no language problem. He has pointed out to me that I should ask for a copy of the 1731 work by Du Buisson entitled MACHINES APPROUVEES PAR L'ACADEMIE, Vol. v, page 155 which is mentioned in the excerpt which I originally mailed to you. It probably is in the same archives as the Droz item. I do not know if it is printed or in script. I assume it has never been publicly published but certainly not in English. I admit it was too poorly designed to perform properly but it was the idea which was original and should be properly recognized. If a photographer is going to reproduce the Droz item could this additional item also be done unless there is a copy of it otherwise available. I hope Mr. Darnis will agree. I regret to bother you with all these details but when I write something I try to be as complete as possible. You and Mr. Darnis will receive a thank you in the article whenever it is published.

Evelyn and I are going to my daughter's home in New York for our Thanksgiving holiday where all the family gets together to do nothing but eat stuffed turkey, sweet potatoes, cranberry sauce and pumpkin pie in celebration of the bountiful food our amazing land is able to produce. We will also show our slides taken over 20 years ago when we travelled all over Afghanistan. A current American joke is that an airplane passenger had her sharp plastic knitting needles taken away from her by security because she was knitting an Afghan. Our continued greetings and good wishes. Evelyn and Eric (This is written on my computer to send by Fax)

16th November 2001

Dear Eric,

thank you for your FAX which arrived during the night.

By the way Jill would very much prefer you to send your Faxes only in the morning (US time) so as to make allowance for the difference in time between US and France.....!!

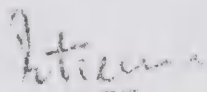
When you send a Fax at 10 pm it wakes her up at 4 am....!

Coming back to your library interest I shall investigate with Mr Darnis and possibly with antiquariens about the possibility of getting our hands on du Buisson's works.

For the time being the situation is as follows, the photographer I was recommended to, has accepted the idea of devoting a Monday (when he closes his shop) to take his equipment to La Monnaie and take the photographs, unfortunately Mr Darnis ' phone does not answer at present; he will presumably be back shortly so that we can get on with it.

In any case it cannot be this Monday as Jill and I are leaving tomorrow to spend a few days in our country house. The weather has turned cold and the temperature is hovering around freezing point but we have good central heating and a nice fireplace in the lounge to warm our hearts and bones !

With kind regards and best wishes to both



Etienne

Subj: Re: Droz reference Date: 11/20/2001 2:53:07 PM Central Standard Time From: gaspar@wuchem.wustl.edu (Peter Gaspar) To: EricNumis@aol.com

Eric,

Late this afternoon I will drop by a photocopy of what I take to be the Droz reference from the Encyclopaedia Britannica. It is 60 pages plus four plates. Accompanying it is a handwritten translation from French to English made for Matthew Boulton.

If you agree that this is the needed reference, then perhaps it is still not too late to cancel the request for a photographic facsimile. I'm sorry that I didn't provide this earlier, but I always thought that it was the 1731 refedrence that we needed.

Peter

PS: I haven't had time to read the book you loaned me, but will return it soon, read or unread so that you can have the benefit of it.

----- Headers -----

Return-Path: <gaspar@wuchem.wustl.edu>

Received: from rly-yd05.mx.aol.com (rly-yd05.mail.aol.com [172.18.150.5]) by air-yd02.mail.aol.com (v82.22) with ESMTP id MAILINYD29-1120155307; Tue, 20 Nov 2001 15:53:07 -0500

Received: from wugate.wustl.edu (wugate.wustl.edu [128.252.120.1]) by rly-yd05.mx.aol.com (v82.22) with ESMTP id MAILRELAYINYD55-1120155245; Tue, 20 Nov 2001 15:52:45 -0500

Received: from wuchem.wustl.edu (wuchem.wustl.edu [128.252.127.200]) by wugate.wustl.edu (8.10.0.Beta12/8.10.0.Beta12) with ESMTP id fAKKqhH20697 for <EricNumis@aol.com>; Tue, 20 Nov 2001 14:52:43 -0600 (CST)

Received: from chpc023.chemistry (chpc023.wustl.edu [128.252.127.23]) by wuchem.wustl.edu (8.10.2+Sun/8.10.2) with ESMTP id fAKKobl26561; Tue, 20 Nov 2001 14:50:37 -0600 (CST)

Message-Id: <4.3.2.7.2.20011120133933.023902c0@wuchem.wustl.edu>

X-Sender: gaspar@wuchem.wustl.edu

X-Mailer: QUALCOMM Windows Eudora Version 4.3.2

Date: Tue, 20 Nov 2001 14:35:43 -0600

To: EricNumis@aol.com

From: Peter Gaspar <gaspar@wuchem.wustl.edu>

Subject: Re: Droz reference

In-Reply-To: <16c.2788869.28ff1c1d@aol.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

FAX 011 33 1 45 67 53 70

To: Etienne Dreyfous

From: Eric P. Newman

25 Nov 2001

Surprise information —

When I returned from a wonderful family gathering in New York City for ~~our~~ Thanksgiving holiday I was informed by my professor friend here that ~~of the~~ printed Drog report was sold a few years ago to a private American numismatist. A photocopy was obtained for me. It included the drawings and is dated "Nivose An XI" There was also included a photocopy of a translation of it into English prepared in script for Matthew Boulton of England. If therefore there is a way to cancel this portion of the photography please arrange to have this done. However if the Du Buisson document can be located and photographed that would be most helpful because I am not aware that Du Buisson has ever been published previously.

I am sorry to have caused this confusion but will bear total responsibility for it and its cost, including waking you (or Jill) up in the middle of the night.

I will send to you for Mr Darnis and for you a copy of a book which I wrote some time ago with a portion devoted to the French paper money of Louisiana. I put a paper marker in that section.

Evelyn and I know you will have a joyous Christmas holiday wherever you may be and send you our fondest wishes. Continued thanks for all the difficult undertaking you have done and are doing for me.

26th November 2001

To ERIC NEWMAN

From Ettore Dreyfous

Congratulations on leaving found document.

Danni's is still packed out.

I have e mailed him to inform him and ask
about du Buisson -

I'll let you know when I can

Photographer is closed on Monday -

I'll inform him to morrow -

Best wishes

Ettore

Subj: Re: Droz material Date: 11/30/2001 10:41:13 AM Central Standard Time From: gaspar@wuchem.wustl.edu (Peter Gaspar) To: EricNumis@aol.com

Eric,

I am just about to FAX you the page from the 1994 Kolbe-Spinks catalog.

The lot of which I sent you a photocopy and translation is number 367, and its title corresponds exactly to the title mentioned in the Britannica article. Nevertheless I may have caused us to shoot ourselves in the foot. It may be that the photography that we aborted was of lot 366, which we do not have but which would be of interest as another contemporary description of Droz's inventions (note that 366 is described as having 35 pages, while 367 has 60 plus four engraved plates.

I apologize for the confusion I seem to have created.

Peter

----- Headers -----

Return-Path: <gaspar@wuchem.wustl.edu>
Received: from rly-ye02.mail.aol.com (rly-ye02.mail.aol.com [172.18.151.199]) by air-ye05.mail.aol.com (v82.22) with ESMTP id MAILINYE55-1130114113; Fri, 30 Nov 2001 11:41:13 -0500
Received: from wugate.wustl.edu (wugate.wustl.edu [128.252.120.1]) by rly-ye02.mail.aol.com (vx) with ESMTP id MAILRELAYINYE27-1130114042; Fri, 30 Nov 2001 11:40:42 -0500
Received: from wuchem.wustl.edu (wuchem.wustl.edu [128.252.127.200])
by wugate.wustl.edu (8.10.0.Beta12/8.10.0.Beta12) with ESMTP id fAUGefH16106
for <EricNumis@aol.com>; Fri, 30 Nov 2001 10:40:41 -0600 (CST)
Received: from chpc023.chemistry (chpc023.wustl.edu [128.252.127.23])
by wuchem.wustl.edu (8.10.2+Sun/8.10.2) with ESMTP id fAUGcZb03371;
Fri, 30 Nov 2001 10:38:35 -0600 (CST)
Message-Id: <4.3.2.7.2.20011130101211.023af220@wuchem.wustl.edu>
X-Sender: gaspar@wuchem.wustl.edu
X-Mailer: QUALCOMM Windows Eudora Version 4.3.2
Date: Fri, 30 Nov 2001 10:23:44 -0600
To: EricNumis@aol.com
From: Peter Gaspar <gaspar@wuchem.wustl.edu>
Subject: Re: Droz material
In-Reply-To: <16c.2788869.28ff1c1d@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

1994

Keller Spink Auction
in NYC

printed in colors, depicting paper currency, coining methods and machinery, coins, medals, 93 very fine plates of coins, paper currency, tokens and medals. Folio: 41.5 x 30 cm. All in the original printed card covers, contents of second volume shaken, covers a bit soiled, internally a very fine set. (750.00)

Clair-Stefanelli B908*: "A mine of information." Grierson page 127; "Collection de documents remarquable." Ex bibliothèque Rollin-Peugeot, with some annotations in pencil. One of only 250 seen listed.

359 Dick, Rev. R. SCOTTISH COMMUNION TOKENS OTHER THAN THOSE OF THE ESTABLISHED CHURCH. Edinburgh 1902. Quarto, pp. 102 (2), frontispiece. As issued in the original gilt decorated red cloth, a little worn. (300.00)
Extremely scarce and one of just 200 copies printed.

360 [Dimadale, Thomas]. A CATALOGUE OF A MOST CHOICE AND VALUABLE COLLECTION OF GREEK, ROMAN, ENGLISH AND FOREIGN COINS AND MEDALS, IN GOLD, SILVER, AND COPPER, THE PROPERTY OF A LATE HIGHLY RESPECTED AND EMINENT COLLECTOR... London: Mr. Sotheby, July 6-22, 1824. (2), 125, (1), ii-iii pages, 1939 lots, priced with buyers names' throughout. Contemporary paper-backed boards, spine defective, front cover loose. (125.00)

Ex Libris Wm. Till, Medallist, 1834, comprising a fine engraving in the style of an eighteenth century token. Ex Coatsen de Ramsey Library, Montreal, without specific identifying marks. Macville & Robertson: "The most important sale of the decade..." Matthew Young purchased the majority of American colonial coins in the sale, including a "Baltimore Penny...unique (from the Bindley Collection)" for £9.9.

361 Domanig, K. PORTRÄTMEDAILLEN DES ERZHAUSES ÖSTERREICH VON KAISER FRIEDRICH III BIS KAISER FRANZ II. Vienna, 1896. Folio, pp. vii (1), 40. 50 finely printed plates, some in sepia, a few in colour. Original cloth-backed boards. A little worn, with the original advertising brochure (2 pages) laid in. Contents fine and clean. (400.00)
Scarce.

362 Donini, A. PONTI SU MONETE E MEDAGLIE. VICENDE COSTRUTTIVE, NOTIZIE STORICHE. Rome 1959. Folio, pp. 390 (2), illustrations throughout. Original cloth, back a trifle faded. (100.00)

363 [Dos Santos, J. J. Judice.]. Schulman J., Amsterdam. COLLECTION J. J. JUDICE DOS SANTOS. Three parts. Complete. March-September 1906. Octavo, pp. 128, 144, 138. 7031 lots, 20 plates. Original card covers, as issued. A little worn, contents fine. (150.00)
Important and scarce, as here, complete. A major collection, including Portugal, Brazil, Colonies of European States, Ancients, including Visigothic, Chaldian pieces, the Americas, and Islamic.

364 [Doubleday, G. V.]. PLATES AND INDEX OF THE SILVER COINS FROM THE GORDON V. DOUBLEDAY COLLECTION OF COINS OF EDWARD III. Sold at Glendining & Co., 7-8 June, 1972. British Numismatic Society, 1972, reprinted. London, 1984. Oblong octavo. 29 actual photographic plates bound in card covers, with index. (100.00)
Out of print and scarce.

365 Drouin, E. OBSERVATIONS SUR LES MONNAIES À LEGENDES EN PÉLVI ET PÉLVI-ARABE. Paris, 1886. (offprinted from *Revue Archeologique*). Octavo, pp. 98. three plates of coins, 2 tables, one coloured, both folding. Original card covers, worn, contents clean. (75.00)
Mayer 469. Scarce.

366 [Droz, J.-P.]. Molard, C. P. NOTICE SUR LES DIVERSES INVENTIONS DE FEU JEAN-PIERRE DROZ, GRAVEUR-MÉCANICIEN; RELATIVES À L'ART DU MONNOYAGE, AINSI QU'À PLUSIEURS AUTRES BRANCHES D'ÉCONOMIE INDUSTRIELLE. n.p., n.d. Paris/Versailles (7) c. 1800? Quarto pp. 35 (1). Uncut, unopened and as issued, sewn in the original paper wrappers. (150.00) 170
Rare.

367 [Droz, J.-P.]. RAPPORT FAIT À LA CLASSE DES SCIENCES MATHÉMATIQUES ET PHYSIQUES DE L'INSTITUT NATIONAL SUR DIVERSES INVENTIONS DE JEAN-PIERRE DROZ, RELATIVES À L'ART DU MONNOYAGE. IMPRIMÉ PAR ORDRE DE LA CLASSE. Paris, l'Institut National, Nivose An XI (1803). Quarto, pp. (iv), (60). 4 folding engraved plates of minting machinery. Untrimmed and virtually as issued, and sewn in the original paper wrappers. (200.00) 325
Rare.

368 [Droz, J.-P.]. Gallet, G. QUELQUES NOTES SUR LA VIE ET L'ŒUVRE DU MÉDAILLEUR J. P. DROZ (1746-1823). (Extrait du Musée Neuchâtelais, Novembre-Décembre 1902) Neuchâtel, 1902. Large octavo, pp. 22, frontispiece portrait medal of Droz, 12 very fine plates. (75.00) 100
Original card covers, a little worn at extremities.
Scarce.

369 Duby, Pierre-Aucher Toblén. TRAITÉ DES MONNOIES DES BARONS, OU REPRÉSENTATION ET EXPLICATION DE TOUTES LES MONNOIES D'OR, D'ARGENT, DE BILLOIN & DE CUIVRE, QUI'ONT FAIT FRAPPER LES POSSESEURS DE GRANDS FIEFS, PAIRS, ÉVÊQUES, ABBÉS, CHAPITRES, VILLES & AUTRES SEIGNEURS DE FRANCE; POUR SERVIR DE COMPLÉMENT AUX MONUMENS HISTORIQUES DE LA FRANCE EN GÉNÉRAL, & DE CHACUNE DE SES PROVINCES EN PARTICULIER. TOME PREMIER & SECOND. Paris: de l'Imprimerie Royale, 1790. Two volumes. cxxxvi, 183, (1); (4), 331, (1) pages, woodcut headpieces, tailpieces and title vignettes, 110 + 10 finely engraved plates of coins. Folio: 35 x 27 cm. Matching contemporary quarter tree calf, spines handsomely decorated in gilt, light green morocco lettering pieces, gilt, marbled endsheets, bindings a trifle worn. Very fine. (500.00)
Ex Libris Hasso Schwabke, Lipsia page 106. Engel & Serrure 2273. Gracuse II, page 439. Brunet 24107: "...une grande partie l'édition a été détruite." A most attractive large copy of this rare and important work, with an extensive bibliography. The first and only edition.

Copy for Gaspar

17th December 2001

Dear Eric,

Thanks to you I spent a most interesting day.

As scheduled I went to the Hotel de la Monnaie with the Photographer and met Mr Darnis whom I had only contacted before by telephone or E Mail.

Apart from being extremely courteous, he turned out to be a most interesting person.

A historian, he was offered this job some thirty years ago; the job had been vacant for over seventy years....nobody wanted to face the enormous amount of work required.

He had to fight to clear the attics of this most ancien building to find the storage space required and even more to recover all the archives dealing with "la Monnaie" which had not been centralised and which none of the keepers of the various official or private departments wanted to let go.

Turning to the subject as he went along he has accumulated a vast knowledge which he enthusiastically dispenses. I spent a most enjoyable afternoon.

He is busy computerising the records and is obviously distressed by the fact that when he retires in about 4 years from now the library will leave La Monnaie to be housed by the Ministry of Finance without a specialised librarian ready to help the research students.

The photographer was equally interested and we were blessed by a lovely cloudless and sunny sky which in the attic allowed the photographs to be taken under natural light.

Apparently as far as Mr Darnis knows and as far as the document which interests you is concerned, there are only two known such original and complete copies left in France, One copy is held at the "Academie des Sciences" the other at "La Monnaie". All the other copies have lost the drawing of the machine which must have been detached by the readers at the time.

The copy which we photographed was in remarkable condition; apparently in 1731 they used a quality of paper ("chiffon") which stood the test of time and tribulations.

Unfortunately I shall not be able to let you have the prints for Xmas as Jill and I are leaving thursday for our country house and we shall not be back before the beginning of January.

Please forgive us.

I hope you are both well and that you will spend an enjoyable Xmas.

*and a happy New Year for both of you
Love and regards
P. Treme*

RUE DE SAINTONGE
17940 SAINT SAUVEUR D AUNIS
TEL 46 01 80 80

23rd January 2002

TO : Eric P. Newman
FROM : Etienne Drayfous

FAX No (00) (33) 5 46 01 80 80

Dear Eric,

as you can see I am in my country house on the Atlantic coast..

The weather is extremely mild around 14 ° C and a little damp.
Too damp to do any work in the garden; so I am likely to have a
rest and to sort out a number of papers which have been lying
around for some time.

Late last evening in Paris , I was at last able to get hold of
the photographs of the du Buisson papers; the photographer had
not been happy with the first print and got them printed again;
this delayed things somewhat

So this morning, before catching the fast train to the country I
dropped in FEDÉX to send the prints off to you.

The FEDÉX shipping number is 8295 7853 0557. in case you have to
phone them

Normally they should, I am told, be delivered to you to morrow
Thursday

I hope that they will reach you alright..

If there is any trouble let me know so that I can chase them this
end.

I trust that Evelyn and you are in good shape and that as usual
you are doing interesting things.

Kindest regards to both and best wishes

Etienne

Subj: Re: Darnis' given name(s) Date: 01/24/2002 10:28:20 AM Central Standard Time From: gaspar@wuchem.wustl.edu (Peter Gaspar) To: EricNumis@aol.com
--

Eric:

His full name is Jean-Marie DARNIS. I feel badly about keeping your copy of his book for such a long time. When we meet to look at the ARAMCO disks I'll return it to you. I just don't have time right now to read it with the care it deserves. I tried obtaining a copy through Paris contacts, but, as you prophesied, there are none available. I may ask to borrow it again in the future. There is a lot of important information in it that I need about minting during the first quarter of the nineteenth century.

Cheers!

Peter

----- Headers -----

Return-Path: <gaspar@wuchem.wustl.edu>

Received: from rly-xe03.mx.aol.com (rly-xe03.mail.aol.com [172.20.105.195]) by air-xe05.mail.aol.com (v82.22) with ESMTP id MAILINXE56-0124112820; Thu, 24 Jan 2002 11:28:20 -0500

Received: from wugate.wustl.edu (wugate.wustl.edu [128.252.120.1]) by rly-xe03.mx.aol.com (v82.22) with ESMTP id MAILRELAYINXE38-0124112756; Thu, 24 Jan 2002 11:27:56 -0500

Received: from wuchem.wustl.edu (wuchem.wustl.edu [128.252.127.200]) by wugate.wustl.edu (8.10.0.Beta12/8.10.0.Beta12) with ESMTP id g0OGRsW10158 for <EricNumis@aol.com>; Thu, 24 Jan 2002 10:27:54 -0600 (CST)

Received: from chpc023.chemistry (chpc023.wustl.edu [128.252.127.23]) by wuchem.wustl.edu (8.10.2+Sun/8.10.2) with ESMTP id g0OGPma08270; Thu, 24 Jan 2002 10:25:48 -0600 (CST)

Message-Id: <4.3.2.7.2.20020124100519.024c2a20@wuchem.wustl.edu>

X-Sender: gaspar@wuchem.wustl.edu

X-Mailer: QUALCOMM Windows Eudora Version 4.3.2

Date: Thu, 24 Jan 2002 10:09:58 -0600

To: EricNumis@aol.com

From: Peter Gaspar <gaspar@wuchem.wustl.edu>

Subject: Re: Darnis' given name(s)

In-Reply-To: <f6.13ce6024.2953c254@aol.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Thursday, January 24, 2002

America Online: EricNumis

7th February 2002

TO : Eric P. Newman
Fax 314 727 0820

FROM : Etienne Dreyfous
Fax (011) (33) 1 45 67 53 70

Dear Eric,

I am a little worried since I have not heard from you
to say whether you have received OK the du Buisson document
which I have had photographed for you .

The photos were sent by FEDEX on 23rd January under reference
8295 7853 0557.

I do hope they reached you safely and that you found them as
interesting as you had expected.

Do let me know.

In the mean time kindest regards to Evelyn and yourself

Etienne

7 Feb 2002

TO: ETIENNE DREYFOUS

011 33 1 45 67 53 70 FAX

FROM: ERIC P. NEWMAN

314 727 0820 FAX

I AM EMBARRASSED NOT TO HAVE RESPONDED SOONER BUT I HAVE HAD SOME MINOR SURGERY AND HAVE NOT BEEN TO MY OFFICE SINCE THEN.

THE WONDERFUL PHOTOS OF THE 1731 COIN FEEDER ARRIVED ON TIME AND I HAVE AN APPOINTMENT WITH A PROFESSOR TO HELP ME READ THE TEXT AND THE EXCELLENT DRAWING. I AM VERY GRATEFUL.

LAST WEEK I ^{HAD} MAILED TO YOU 2 COPIES OF A BOOK I WROTE, ONE FOR JEAN-MARIE DARNIS AND ONE FOR YOU. OUR HOUSEKEEPER TOOK CARE OF THAT FOR ME. YOU WILL NOTE THAT THERE IS A SECTION ON "LA LOUISIANE" WHICH HAS CURIOUS FRENCH LANGUAGE MATERIAL IN IT.

I HOPE IT IS NO PROBLEM TO DELIVER OR SEND THE COPY FOR DARNIS TO HIM.

I WILL WRITE DIRECTLY TO DARNIS AS SOON AS I UNDERSTAND WHAT WAS SENT AS I MAY HAVE QUESTIONS TO ASK.

YOUR KINDNESS IS A DELIGHT.

EVELYN AND I ARE GOING TO BEGIN TO TRY TO REESTABLISH A COIN MUSEUM IN ST LOUIS. WE HAD ONE FOR 20 YEARS IN A BANK HERE BUT NOW WE ARE TRYING TO REERECT IT AT A LOCAL UNIVERSITY NEXT TO THEIR PERFORMING ARTS CENTER.

WE HOPE YOU TWO ARE HAVING FUN AND I WILL GIVE YOU A REPORT ABOUT WHAT YOU SENT.

THRIVE

Eric

8th February 2002

To: Emily Newman

314 7/27 0820

From: Catherine Dreyfus

on 33 1 45 67 53 70.

Dear Emily

Thank you for the fax.

The photographer will be pleased that you
found the reproduction of the drawing fine.

I am looking forward to reading the book
and it will be no trouble to pass a copy on to
the Daniels.

I will let you know when I receive them.

I was sorry to learn that you have been
unwell and hope that you are feeling better now.
Kindest regards to both.

Peter

12th February 2002

TO : Eric P. Newman
314 727 0820 FAX

FROM : Etienne Dreyfous
011 33 1 45675370 FAX

My Dear Eric,

The Post office have delivered your parcel with great promptitude and seem to have restored the transatlantic services at last.

Thank you ever so much for having sent your superb books although I must say that the dedication you inscribed seemed quite unwarranted as far as I am concerned....! but it will impress my friends when they take a look at the contents ...!

I have started to read your "oeuvre d'art" and it is quite fascinating; there is so much for me to learn.

What an enormous amount of work you must have had to face to carry put so much research and put it together in such a considered way

I went round to La Monnaie to day to give Darnis his copy; he had a look at it straight away and seemed very pleased and impressed.

We have been looking on television at the opening ceremonies of the Olympics which seem to have started quite well; what a good thing after all these events.

Jill and I hope you are both doing well.

Kindest regards and best wishes

Etienne

16th February 2002

TO : Eric P. Newman
314 727 0820

FROM Etienne Dreyfous
011 33 5 46 01 80 80

My dear Eric,

we are back in our country house for the week end especially as I wanted to renew some of our roses. We went to the nurseries yesterday and to day I shall have to brave the cold weather which has suddenly returned to put them in hopefully in the right order....!

Before leaving Paris I received an E mail from Darnis who was asking me to thank you again for the volume you sent him and to tell you that he had especially appreciated your remarkable work.

He also asked me to let you know that his library posses an album holding a collection of 269 american banknotes issued between 1758 and 1800 and also some "one face" impressions issued by various States between 1800 and 1862 He would be very happy to show them to you next time you come to Paris if you are interested.

With kindest regards and best wishes,

Etienne

Subj: **Re: Du Buisson**
 Date: 02/16/2002 5:15:48 PM Central Standard Time
 From: gaspar@wuchem.wustl.edu (Peter Gaspar)
 To: EricNumis@aol.com

Dear Eric,

I have now completed translating the Du Buisson description of his feed mechanism. Unfortunately, I don't think it would work in exactly the form described, but I think we could suggest slight modifications that would make it practical. It isn't clear that he knew what real dies look like. I'll be very interested in your opinion. It is certainly worth writing up such an early detailed suggestion for a simple machine to feed blanks to a screw press.

Thanks again for a very pleasant Saturday afternoon last week.

Peter

----- Headers -----

Return-Path: <gaspar@wuchem.wustl.edu>
 Received: from rly-xd04.mx.aol.com (rly-xd04.mail.aol.com [172.20.105.169]) by air-xd02.mail.aol.com (v83.42) with ESMTP id MAILINXD26-0216181548; Sat, 16 Feb 2002 18:15:48 -0500
 Received: from wugate.wustl.edu (wugate.wustl.edu [128.252.120.1]) by rly-xd04.mx.aol.com (v83.35) with ESMTP id MAILRELAYINXD48-0216181544; Sat, 16 Feb 2002 18:15:44 -0500
 Received: from wuchem.wustl.edu (wuchem.wustl.edu [128.252.127.200])
 by wugate.wustl.edu (8.10.0.Beta12/8.10.0.Beta12) with ESMTP id g1GNFh802129
 for <EricNumis@aol.com>; Sat, 16 Feb 2002 17:15:43 -0600 (CST)
 Received: from chpc023.chemistry (chpc023.wustl.edu [128.252.127.23])
 by wuchem.wustl.edu (8.10.2+Sun/8.10.2) with ESMTP id g1GNDbA27834;
 Sat, 16 Feb 2002 17:13:37 -0600 (CST)
 Message-Id: <5.1.0.14.0.20020216165055.03163420@wuchem.wustl.edu>
 X-Sender: gaspar@wuchem.wustl.edu
 X-Mailer: QUALCOMM Windows Eudora Version 5.1
 Date: Sat, 16 Feb 2002 16:56:09 -0600
 To: EricNumis@aol.com
 From: Peter Gaspar <gaspar@wuchem.wustl.edu>
 Subject: Re: Du Buisson
 In-Reply-To: <3e.fdfb8d3.28a94a86@aol.com>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"; format=flowed

Tammy 775 327 0806
 Steele@ssa-lawtech.com

MARTIN SNEIDER

ANDREW E. NEWMAN

PHONE (314) 331-6514 • FAX (314) 331-6517

501 NORTH BROADWAY • POST OFFICE BOX 66920, ST. LOUIS, MO 63166-6920 U.S.A.

Tuesday, February 19, 2002 America Online EricNumis

KASSEN ASSOCIATES

19th February 2002

TO Evelyn and Eric Newman
314 727 0820

FROM Jill and Etienne Dreyfous
011 33 1 45 67 53 70

Dear Evelyn and Eric,

thank you very much for your FAX dated 14th Feb which we found in Paris on our return from our country house to day.

Both Jill and I were awfully touched that you should suggest that we join you on the cruise planned next July round the Spitzbergen islands and indeed the idea of going on a cruise together is extremely attractive.

We have however gone on a similar french cruise some ten or eleven years ago (on our mantle piece in Paris there is a little painting of one of the spitzberg bays done by Jill and which is particularly like). It is the right time to go in July since most of the bays remain inaccessible until then. We loved the cruise and we are sure you will be fascinated.

We would not mind repeating the adventure and the idea is very tempting, but it does not seem possible this time, we are off to London at the end of the week for a short time, then later on flying off to Florence where Jill has never been and which she simply wants to explore and during part of the summer we shall be in residence in our country house which should be visited by my grandchild in August

But why dont you flip through France on your way to Kiel..that would be a very good idea; we could see you in Paris and even better we would enjoy you staying for a few days in our little country place where we can put you up, fairly modestly perhaps but warmly we can assure you ! Please consider this and let us know

Re the cost of the photographing and despatch of "du Buisson" this came up to approximately \$170,00 (i.e: 890 French Francs for the photographing and 57,43 Euros for the despatching).

It is very kind of you to offer to reimburse me but there is no hurry (dont send a cheque as the french banks would charge nearly 30% for cashing it) You can bring it along when you stop over in France on the way to Spitzberg....! or if not some St Louis traveller such as Tony Predalgin (who was on the Philadelphia trip) can bring it over when coming to Paris

Congratulations Evelyn on your work re the Monarch Butterfly, we saw a splendid Canadian film on the subject some years ago.

With best regards and hospitality
Etienne

Subj:	Re: Attempted message to Diana
Date:	03/08/2002 2:34:25 AM Central Standard Time
From:	LeHitchins
To:	RHWillard , EricNumis

Hi,

Diana is currently recovering from a heavy cold and I am encouraging her not to do too much until she is better. Just to let you know that I think I can see why Eric's original email didn't arrive. I can see "lehitchins@aoc". If Eric wants to send directly to Diana he can either use "lehitchins@aol.com" or (because he is also on AOL) just "lehitchins". (As well as being shorter I think "lehitchins" has advantages for what Diana gets, but I never got to the bottom of whether using different addresses caused slight differences in the format of what was received.)

Regards, Les

15 MAR 2002

To: JILL & ETIENNE

From: Evelyn & Eric

We have just made reservations for a cruise going to the north coast of Norway and to Spitzbergen from 16 July to 1 Aug, 2002 beginning and ending at Kiel, Germany. The ship is M.S. Deutschland which was built in 1998, holds 500 people and is luxurious. It will circumnavigate Spitzbergen for 4 days and visit coastal Norway. All programs and shore excursions are in English and German. The weather at that time should be mild. We like the idea of unpacking only once and choosing or not choosing the various shore excursions.

If you have any interest in taking such a trip we would be delighted to be with you. If you wish us to send the American brochure of Dietmann Lines please tell us and you can look it over, but you may have a similar brochure in French in Paris. The ship has passengers from everywhere but probably the greatest group will be Germans.

We thank you for the nice comments you made about my book. As you realize the excitement is the research and it leads into every discipline and to people like you.

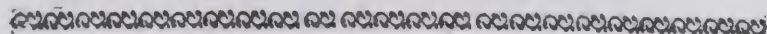
Evelyn is working hard to develop more programs for our Botanical garden and we are both working to reestablish our coin museum in St. Louis. Our new problem is to help reestablish the Monarch Butterfly because 75% of the world population was destroyed by a storm in the Mexican Mountains where they winter.

Please send me a bill for the expense of coin feeder mechanism data.

We hope this letter proves how serendipity can make life so exciting and send you our wishes for a continuing flow of all good things.

APPROUVÉES PAR L'ACADEMIE. 155

des Sciences, le 17. 1731.



M A C H I N E

POUR PLACER LES PIÉCES A MARQUER

S O U S L E S Q U A R R É S

D E L A M O N N O Y E ,

I N V E N T É E



PAR M. DU BUISSON.

L'ON sçait assez quelle est la construction des Machines qui servent à marquer les pièces de Monnoye, 1731.
ainsi on ne s'arrêtera point à décrire la partie ABCD de cette Machine qui est commune aux autres; car les quarrés CD sont pour l'empreinte de la pièce, qui est posée sur le quarré inférieur C, pendant que le quarré supérieur D frappe & marque la pièce par le moyen de la vis EF à laquelle est fixée la barre GH, qui avec la vis & le quarré qui lui est attaché, forme ce qu'on appelle balancier. N^o. 351.
Comme il arrive quelquefois que l'Ouvrier ou se coupe les doigts, ou place la pièce de travers par la crainte de se trouver pris entre les deux quarrés; voici une Machine au moyen de laquelle tout homme pourra travailler au balancier, marquera fort bien la pièce & ne courra aucun risque.

Vij



1731.
N^o. 351.

Elle consiste à attacher une corde à l'extrémité *G* du balancier, laquelle est dirigée par un petit rouleau horizontal sur la roue *I*, où elle est fixée en se roulant à la droite de la circonférence. L'arbre de cette roue prolongé porte une seconde roue *K*; toutes deux sont mobiles sur leur axe, qui tourne librement dans les montans où ces axes sont engagés; sur cette seconde roue *K* est fixée une corde qui s'enveloppe autour de la circonférence d'un sens opposé à celle qui est appliquée sur la première roue *I*: c'est cette seconde roue *K*, qui avec la corde fait mouvoir perpendiculairement la principale pièce de la Machine; cette pièce est formée de deux triangles *LM*, que l'on voit déplacés de la Machine & marqués par les lettres italiques *abc def*: ces deux triangles dont chacun est rectangle, sont opposés par une partie de leur côté *cb*, *ed*, de manière que leurs saillies se trouvent à droite & à gauche de la perpendiculaire, dans laquelle se trouve la corde *ci* & le poids *P*; la pièce *LM* ou *af*, passe tout au travers de la plate-forme de la Machine, & principalement dans les ouvertures *NO*, faites au milieu de deux planches *QR* posées l'une sur l'autre, & qui sont à coulisse dans le solide *ST*, de manière qu'elles peuvent être chassées tantôt à un bout, tantôt à l'autre de la Machine. Les usages de ces deux planches sont de porter la monnoye sur le quarré, & de l'y laisser pour être marquées; elles sont représentées à part & marquées en italique par les lettres *ghkimn*, & *gh* est la première planche, au milieu de laquelle est la rainure *ki*: à l'extrémité *h* est un trou rond, environ du diamètre de la pièce à marquer; cette pièce est soutenue par la planche inférieure *mn*, qui a aussi une ouverture dans son milieu suivant sa longueur, qui répond à l'ouverture *ki* de la première planche, excepté que la rainure de la planche inférieure finit en *o*, & qu'elle est plus courte que l'ouverture supérieure à laquelle elle répond. La pièce *LM* ou *af*, porte deux chevilles en *cd*, qui

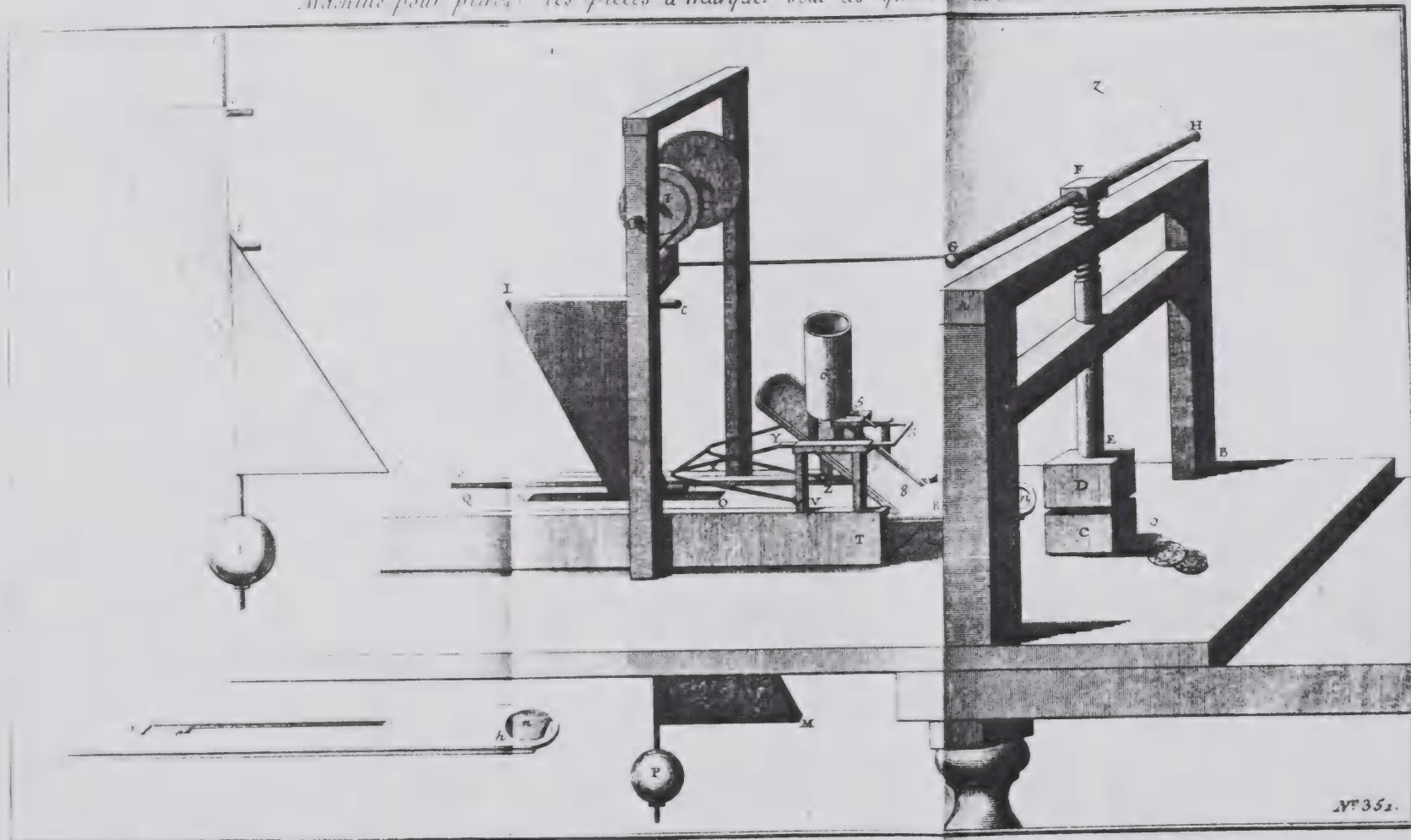
font mouvoir alternativement le double étrier VXYZ, mobile autour des deux cloux VZ, pendant que les autres branches YX font mouvoir dans des coulisses le petit chassîs 3 qui porte le petit levier 5, lequel bouche & débouche alternativement l'ouverture inférieure de la trémie cylindrique 6, dans laquelle les pièces qui doivent être marquées sont contenues; ces pièces ne tombent que l'une après l'autre, & sont dirigées dans l'ouverture de la planche qui les porte sur le quarré par le plan incliné, 7, 8, dans lequel elles tombent successivement. Voici quelles sont ses opérations.

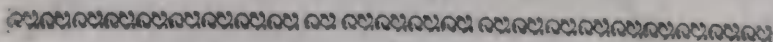
L'on suppose une pièce placée sur le quarré C, si pour la marquer vous tirez le balancier par son extrémité H suivant la direction H z, il arrivera que la corde GI en se déroulant fera élever la pièce I.M par le moyen de la seconde roue K, alors la cheville d élèvera nécessairement le double étrier X, qui poussant le chassîs 3, le levier 5 laissera passer une pièce qui coulera sur le plan incliné 7, 8, & se placera d'elle-même à l'extrémité de la planche l n. Cette planche par le même mouvement de bas en haut est chassée par la partie saillante du triangle inférieur M; & comme les quarrés CD ne laissent entre eux qu'un intervalle égal à l'épaisseur de la planche supérieure, son bord rencontrant la pièce qui a été marquée d'abord par le premier mouvement du balancier, l'oblige de sortir, & de tomber du côté 9; & la planche inférieure qui soutient la pièce dans l'ouverture de la planche supérieure, venant à rencontrer le bord du quarré C, est obligée de reculer & de ne laisser que la première planche, au travers de laquelle la pièce passe pour se placer sur le quarré: pendant tous ces mouvemens l'on a supposé que l'extrémité H parcourroit l'arc H z. Si à présent on lache en z l'extrémité H, il arrivera que la saillie du triangle L, qui tend toujours à descendre étant tirée par le poids P, rencontrera plutôt la planche g h, que son inférieure l m, & la tirera d'entre les

1731.
Nº. 351. quarrés pour la remettre dans son premier état , c'est-à-dire , qu'elle se placera à la partie inférieure du plan incliné 7 , 8 , pour recevoir une pièce , lorsque la cheville *d* débouchera la tremie qui a été bouchée dans la descente du triangle par la cheville *c* , & ainsi de suite en tirant & lâchant alternativement le balancier , ces opérations se répéteront autant de fois.



Machine pour placer les piéces a Marquer sous les quarrés de la Monnoie.





M A C H I N E

POUR PLACER LES PIÉCES A MARQUER

SOUS LES QUARRÉS

DE LA MONNOYE,

I N V E N T É E

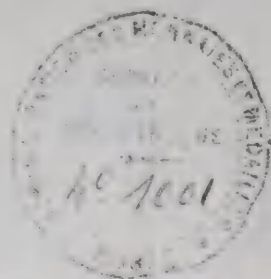


PAR M. DU BUISSON.

L'ON sçait assez quelle est la construction des Machines qui servent à marquer les pièces de Monnoye, ainsi on ne s'arrêtera point à décrire la partie ABCD de cette Machine qui est commune aux autres ; car les quarrés CD sont pour l'empreinte de la pièce , qui est posée sur le quarré inférieur C , pendant que le quarré supérieur D frappe & marque la pièce par le moyen de la vis EF à laquelle est fixée la barre GH , qui avec la vis & le quarré qui lui est attaché , forme ce qu'on appelle balancier. Comme il arrive quelquefois que l'Ouvrier ou se coupe les doigts , ou place la pièce de travers par la crainte de se trouver pris entre les deux quarrés ; voici une Machine au moyen de laquelle tout homme pourra travailler au balancier , marquera fort bien la pièce & ne courra aucun risque.

1731.
N^o. 351.

Vij



1731.
N^o. 351.

Elle consiste à attacher une corde à l'extrémité *G* du balancier, laquelle est dirigée par un petit rouleau horizontal sur la roue *I*, où elle est fixée en se roulant à la droite de la circonférence. L'arbre de cette roue prolongé porte une seconde roue *K*; toutes deux sont mobiles sur leur axe, qui tourne librement dans les montans où ces axes sont engagés; sur cette seconde roue *K* est fixée une corde qui s'enveloppe autour de la circonférence d'un sens opposé à celle qui est appliquée sur la première roue *I*: c'est cette seconde roue *K*, qui avec la corde fait mouvoir perpendiculairement la principale pièce de la Machine; cette pièce est formée de deux triangles *LM*, que l'on voit déplacés de la Machine & marqués par les lettres italiques *abc def*: ces deux triangles dont chacun est rectangle, sont opposés par une partie de leur côté *cb*, *ed*, de manière que leurs saillies se trouvent à droite & à gauche de la perpendiculaire, dans laquelle se trouve la corde *ci* & le poids *P*; la pièce *LM* ou *af*, passe tout au travers de la plate-forme de la Machine, & principalement dans les ouvertures *NO*, faites au milieu de deux planches *QR* posées l'une sur l'autre, & qui sont à coulisse dans le solide *ST*, de manière qu'elles peuvent être chassées tantôt à un bout, tantôt à l'autre de la Machine. Les usages de ces deux planches sont de porter la monnoye sur le quarré, & de l'y laisser pour être marquées; elles sont représentées à part & marquées en italique par les lettres *ghkimn*, & *gh* est la première planche, au milieu de laquelle est la rainure *ki*: à l'extrémité *h* est un trou rond, environ du diamètre de la pièce à marquer; cette pièce est soutenue par la planche inférieure *mn*, qui a aussi une ouverture dans son milieu suivant sa longueur, qui répond à l'ouverture *ki* de la première planche, excepté que la rainure de la planche inférieure finit en *o*, & qu'elle est plus courte que l'ouverture supérieure à laquelle elle répond. La pièce *LM* ou *af*, porte deux chevilles en *cd*, qui

font mouvoir alternativement le double étrier *VXYZ*, mobile autour des deux cloux *VZ*, pendant que les autres branches *YX* font mouvoir dans des coulisses le petit chassis 3 qui porte le petit levier 5, lequel bouche & débouche alternativement l'ouverture inférieure de la trémie cylindrique 6, dans laquelle les pièces qui doivent être marquées sont contenues; ces pièces ne tombent que l'une après l'autre, & sont dirigées dans l'ouverture de la planche qui les porte sur le quarré par le plan incliné, 7, 8, dans lequel elles tombent successivement. Voici quelles sont ses opérations.

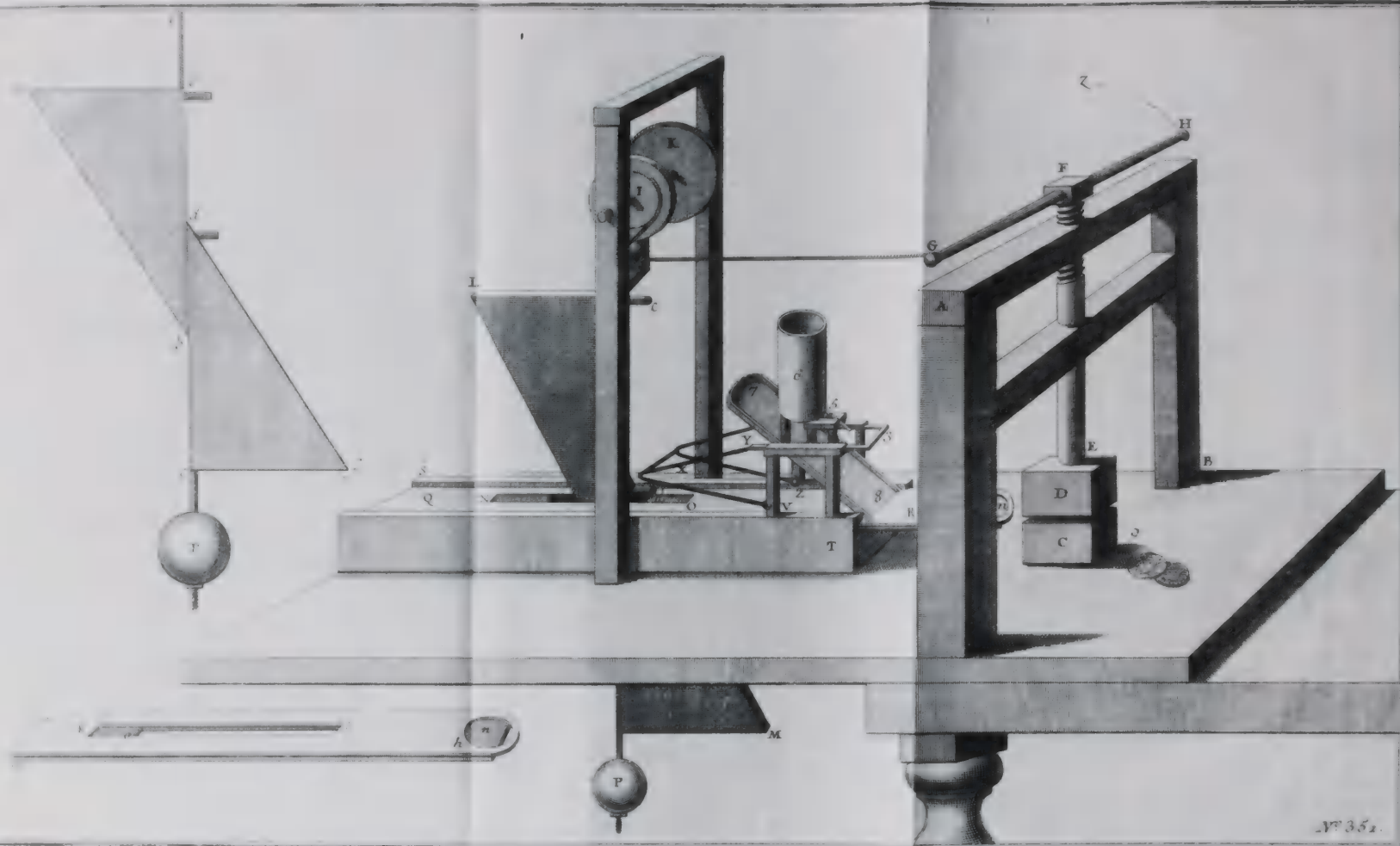
L'on suppose une pièce placée sur le quarré *C*, si pour la marquer vous tirez le balancier par son extrémité *H* suivant la direction *H z*, il arrivera que la corde *GI* en se déroulant fera élever la pièce *IM* par le moyen de la seconde roue *K*, alors la cheville *d* élèvera nécessairement le double étrier *X*, qui poussant le chassis 3, le levier 5 laissera passer une pièce qui coulera sur le plan incliné 7, 8, & se placera d'elle-même à l'extrémité de la planche *ln*. Cette planche par le même mouvement de bas en haut est chassée par la partie saillante du triangle inférieur *M*; & comme les quarrés *CD* ne laissent entre eux qu'un intervalle égal à l'épaisseur de la planche supérieure, son bord rencontrant la pièce qui a été marquée d'abord par le premier mouvement du balancier, l'oblige de sortir, & de tomber du côté 9; & la planche inférieure qui soutient la pièce dans l'ouverture de la planche supérieure, venant à rencontrer le bord du quarré *C*, est obligée de reculer & de ne laisser que la première planche, au travers de laquelle la pièce passe pour se placer sur le quarré: pendant tous ces mouvemens l'on a supposé que l'extrémité *H* parcouroit l'arc *H z*. Si à présent on lache en *z* l'extrémité *H*, il arrivera que la saillie du triangle *L*, qui tend toujours à descendre étant tirée par le poids *P*, rencontrera plutôt la planche *gh*, que son inférieure *lm*, & la tirera d'entre les

1731.
N^o. 351.

quarrés pour la remettre dans son premier état , c'est-à-dire , qu'elle se placera à la partie inférieure du plan incliné 7 , 8 , pour recevoir une pièce , lorsque la cheville *d* débouchera la tremie qui a été bouchée dans la descente du triangle par la cheville *c* , & ainsi de suite en tirant & lâchant alternativement le balancier , ces opérations se répéteront autant de fois.



Machine pour placer les pieces a Marquer sous les quarts de la Monoie.



To Eric Newman.

6450 Locust St

St Louis

Mo 63105

with compliments

Not lost I got lost
of them !!



Etienne Dreyfous

22.01.02

XX

MACHINE

FOR PLACING BLANKS TO BE STAMPED

ON THE DIES

FOR COINING

INVENTED

BY MONSIEUR DU BUISSON

One knows quite well what is the construction of the machines which serve to stamp the coins, thus one doesn't stop to describe in detail the part ABCD of this machine which is in common with others; because the dies CD are for the imprinting of the blank, which is placed on the lower die C, while the upper die D strikes and stamps the blank by means of screw EF on which is fixed the bar GH, which with the screw and the die which is attached to it, forms what one calls a balancier. As it happens sometimes that the workman either has a finger cut off or places the blank askew because of fear that he may be caught between the dies; here is a machine by means of which every person will be able to work on the screw press, stamp very well the blank and not run any risk.

=====

1731.

No. 351.

Vij

=====

1731.
No. 351.

It consists in attaching a cord to end G of the beam, which is conducted by a small horizontal roller on wheel I, where it is fixed to be rolled to the right of the circumference. The shaft of this extended wheel carries a second wheel K; both are moveable on their axle which turns freely in the uprights (?) where their axles are inserted; on this second wheel K is fixed a cord which is wrapped around the circumference in a direction opposite that which is applied on the first wheel I: it is this second wheel K which with the cord makes the principal piece of this machine move perpendicularly; this piece is formed of two triangles LM which one sees displaced from the machine and marked by italic letters *abcdef*: these two triangles, of which each is a right-angle, are set against each other at a part of their border *cb*, *ed* the manner in which their descents are found to the right and left of the perpendicular, in which are found the cord *ci* and the weight P; the piece LM or *af* passes completely through the bed of the machine and specifically through the opening NO, placed in the middle of two plates QR placed one on the other, and which are sliding on the solid ST in such a way that they can be driven out of the machine at one end of the machine at one time and the other end of the machine at another time. The duty of these two plates is to carry the planchet onto the die and to leave it there to be stamped; they are represented alone and labeled in italics by the letters *ghkimn*, and *gh* is the first plate, in the middle of which is the channel *ki*: at the end *h* there is a round opening, about the diameter of the blank to be stamped; this blank is supported by the lower plate *mn* which also has an opening in its center along its length, which corresponds to opening *ki* in the first plate, except that the channel in the lower plate ends at *o*, and that it is shorter than the upper opening to which it corresponds.. Piece LM or *af* carries two pegs *cd*, which

are to move in succession the double stirrup VXYZ, moving around the two studs VZ, while the other arms YZ are to move in the guide of the small frame 3 which carries the small arm 5 which alternately plugs and unplugs the lower opening of the cylindrical hopper in which the blanks which are to be stamped are contained; the blanks only fall one at a time, and are directed into the opening that carries them onto the die by the inclined plane, 7,8, on which they fall successively. And now see what are their operations.

Suppose that a blank is placed on die C, if for stamping it you pull the arm by its end H in the direction Hz, it will happen that cord GI while it unrolls will raise piece LM by means of the second wheel K, then the peg *d* will necessarily raise the double stirrup X, which, pushing frame 3, the arm 5 will allow to pass one blank which will slide down the inclined plane 7,8, and will seat itself at the end of plate *ln*. This plate by the same movement from below to above is driven away by the descending piece of the lower triangle M; and as the dies CD only permit between them a space equal to the thickness of the upper plate, its rim encounters the coin which was stamped first by the initial movement of the arm, obliging it to depart, and to fall from side 9; and the lower plate which supports the blank in the opening of the upper plate, coming to encounter the edge of die C, is obliged to move back and to only allow that the first plate through which the blank passes to be placed on the die: during all these movements supposing that end H traverses the arc Hz. If now one releases at z the end of the arm H, it will happen that the descent of triangle L, which tends always to descend being pulled by weight P, encounters instead the plate *gh*, which its lower surface (?) pulls back from

V iij

=====

1731.

No. 351.

===== between the dies to return to its original state, that is to
1731. say that it will be placed on the lower part of the inclined
No. 351. plane 7,8 to receive a blank when the peg d unplugs the
_____ feed tube which was plugged in the descent of the triangle
by the peg c, and in this way in succession by pulling and
releasing alternately the arm, these operations are repeated
so many times.

Hubbard has
Supplemental to 4th 5th + 6th editions
of Amer Edit of the New Edinburgh Encyclopaedia
1874 etc

~~Corning~~ "Corning Machinery" pp 574-581 by J.F.
plus Plates CC, CCI, CCII
from The American Edition of the New Edinburgh Encyclopaedia,
Conducted by David Brewster (Philadelphia, Published by
Edward Parker, 1815).

Copy in Library Company of Philadelphia

Shanta Uddin 1-800-621-3900 Ext 7403
Encycl 213-347-7402 or 7403

all supported on the same stone base; and the iron beams EF between the columns, serve equally for the presses on each side: The whole has a very grand effect. The eight presses will strike more than 19,000 coins in an hour, with only a child to supply each. The grand improvement in these presses consists, 1st, in the precision with which it operates to strike every coin with equal force, which could not be insured by the old press, worked by manual labour. 2d. The rising collar or steel ring in which they are struck, keeps them all of one size, and makes a fair edge, which the old coins never had, being rounded and defaced by the expansion of the metal under the blow. 3d, The twisting motion of the upper die is thought to produce a better surface to the flat parts of the coin, but of this there may be some doubt. 4th, The feeding mechanism is very complete, and allows the machine to work much quicker than in the old press, where the workman being in constant danger of having his fingers caught, was obliged to proceed cautiously, as well as to place the coin true on the die, which was however seldom done perfectly.

The want of feeding apparatus has been long felt as a great defect in the old coining press. In 1731, M. Du Buisson presented to the Royal Academy of Paris, a project for an apparatus to place the blanks upon the dies without depending upon the care of the workmen: It consisted of two sliders, one applied upon the other. The upper one had a hole in it for the reception of the money, the other was only a flat plate, to keep it from falling through. These sliders having taken a blank from a tube where they were deposited, were both advanced together by the movement of the press towards the die, and displacing the piece already struck from the lower die, laid the blank upon it, the lower slider proceeding no farther than the edge of the die. The whole contrivance was imperfect and awkward, but deserves to be recorded as perhaps the first attempt. See *Machines Approuvées par L'Académie*, 1731, vol. v. p. 155.

The feeding mechanism of Mr Boulton's press is also a French invention, as appears from a pamphlet entitled, *Rapport fait à la classe, des Sciences Mathématiques et Physiques, de L'Institut National; sur diverses Inventions de Jean Pierre Droz, relatives à L'Art du Monnoyage.* In this report a coining press, with the feeding apparatus like that which we have described, is minutely detailed, and also several other inventions which display much ingenuity; but they are not so complete as

Mr Boulton's contrivances for the same purpose. by the application of his steam engine to put them in motion, as well as by several improvements in the making of the dies, has carried the art of coining to a degree of perfection hitherto unknown. (J. F.)